BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Improvements to Roads and Drains and Construction of Culverts at Mariyannapalya Colony and Others Area in ward No. 06, Byatarayanapura Sub Division**

Estimated Cost : **100.00 Lakhs**

Job Code : **006-20-000164**

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s are invited as Standard Bid Documents KW-1/2/3 & 4 by the Executive
f the Commissioner, BBMP from the registered contractors of Bruhat
ration with CPWD / KPWD / Railways / MES or any State Government
... schedule of events

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಯಲಹಂಕ ವಲಯ

ವರದಿ:

ವಿಷಯ : Improvements to Roads and Drains and Construction of Culverts at Mariyannapalya Colony and Others Area in ward No. 06, Byatarayanapura Sub Division ನ ಕಾಮಗಾರಿ ಅಂದಾಜನ್ನು ಅನುಮೋದನೆಗೆ ಸಲ್ಲಿಸುವ ಬಗ್ಗೆ.

ಕಾಮಗಾರಿ ಸಂಕೇತ : : 006-20-000164

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ಬೃಹತ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ, ಬ್ಯಾಟರಾಯನಪುರ ಉಪವಿಭಾದ, ವಾರ್ಡ್ ನಂ.06 (ಥಣಿಸಂದ್ರ)ದ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬಿ.ಬಿ.ಎಂ.ಪಿ ಆಯವ್ಯಯದ 2019-20 ನೇ ಸಾಲಿನ ಶೇ 24.10% ಎಸ್.ಸಿ/ಎಸ್.ಟಿ ಕಲ್ಯಾಣ ಯೋಜನೆಗಳಡಿ ಪ.ಜಾ/ಪ.ಪಂ ಸಮುದಾಯದ ಜನರು ವಾಸಿಸುವ ಪ್ರಧೇಶಗಳಲ್ಲಿ ಮೂಲಭೂತ ಸೌಕರ್ಯಗಳನ್ನು ಒದಗಿಸಲು ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ ಪಿ-1878 ರ ಅಡಿಯಲ್ಲಿ ರೂ 100.00 ಲಕ್ಷಗಳಿಗೆ Improvements to Roads and Drains and Construction of Culverts at Mariyannapalya Colony and Others Area in ward No. 06, Byatarayanapura Sub Division ಕಾಮಗಾರಿಯು ಮಂಜುರಾಗಿದ್ದು, ಸದರಿ ಕಾಮಗಾರಿಗೆ ಜಾಬ್ ಸಂಖ್ಯೆ 006-20-00164 ರಲ್ಲಿ ಕಾಮಗಾರಿ ಸಂಕೇತ ಸಹ ದೊರಕಿರುತ್ತದೆ.

ಅದರಂತೆ ಮರಿಯನ್ನಪಾಳ್ಯ ಕಾಲೋನಿಯಲ್ಲಿ ಇತ್ತೀಚಿಗೆ ಬಿ.ಡಬ್ಲ್ಯೂ.ಬಿ.ಎಸ್.ಎಸ್.ಬಿ ವತಿಯಿಂದ ಕಾವೇರಿ ಕುಡಿಯುವ ನೀರು ಮತ್ತು ಒಳಚರಂಡಿ ಪೈಪುಗಳನ್ನು ಅಳವಡಿಸಲು ರಸ್ತೆಗಳನ್ನು ಅಗೆದಿದ್ದು, ಸದರಿ ಕಾಲೋನಿಯ ಎಲ್ಲಾ ರಸ್ತೆಗಳು ಸಂಪೂರ್ಣವಾಗಿ ಹಾಳಗಿದ್ದು, ಸದರಿ ಕಾಲೀನಿಯಲ್ಲಿ ಸಮರ್ಪಕವಾದ ಚರಂಡಿಗಳು ಇರುವುದಿಲ್ಲ. ಅದರಂತೆ ಸ್ಥಳ ಪರಿಶೀಲನೆ ಮಾಡಿ ಈ ಕೆಳಕಂಡಂತೆ ಅಂದಾಜನ್ನು ಪಟ್ಟಿ ಯನ್ನು ಸ್ಥಳದ ಅವಶ್ಯಕತೆಗೆ ಅನುಗುಣವಾಗಿ ತಯಾರಿಸಲಾಗಿದೆ.

1. ಸಿಮೆಂಟ್ ಕಾಂಕ್ರೀಟ್ ಚರಂಡಿ ಮತ್ತು ಅಡಿಗಾಲುವೆ ನಿರ್ಮಿಸಲು ಮಣ್ಣು ಅಗೆತದ ಕೆಲಸ ಮಾಡುವುದು.
2. ಚರಂಡಿ ಮತ್ತು ಅಡಿಗಾಲುವೆಗೆ ಸಿಮೆಂಟ್ ಕಾಂಕ್ರಿಟ್ (1:5:10) ಮಿಶ್ರಣ ಬೆಡ್ ಹಾಕುವುದು.
3. ಚರಂಡಿ ಹಾಗೂ ಅಡಿಗಾಲುವೆಗೆ ಉಕ್ಕು ಮತ್ತು ಎಂ20 ಸಿಮೆಂಟ್ ಕಾಂಕ್ರೀಟ್‌ನಿಂದ ನಿರ್ಮಿಸುವುದು.
4. ಚರಂಡಿ ಹಾಗೂ ಅಡಿಗಾಲುವೆಗೆ ಆರ್.ಸಿ.ಸಿ ಎಂ20 ಕಾಂಕ್ರಿಟ್ ನಿಂದ ಪ್ರಿಕ್ಯಸ್ಟ್ ಕವರಂಗ್ ಮತ್ತು ಡಕ್ ಸ್ಲಾಬ್ ಅಳವಡಿವುದು ಹಾಗೂ ಇತರೆ ಅವಶ್ಯಕ ಅಂಶಗಳಿಗೆ ಅಂದಾಜಿನಲ್ಲಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಂಡಿರುತ್ತದೆ.
5. ಕಾಂಕ್ರೀಟ ರಸ್ತೆಗಳಿಗಾಗಿ ಎಂ 30 ಸಿಮೆಂಟ್ ಕಾಂಕ್ರೀಟ್ ಅಳವಡಿಸುವುದು.
6. ಕೊಳವೆ ಬಾವಿಗಳಿಂದ ಸರಬರಾಜು ಆಗುತ್ತಿರುವ ಕುಡಿಯುವ ನೀರಿನ ಪೈಪುಗಳು ಹಾಳಾದ ಕಾರಣ ಹೊಸದಾಗಿ ಪೈಪುಗಳನ್ನು ಅಳವಡಿಸುವುದು ಇತ್ಯಾದಿ.

ಅಂದಾಜನ್ನು 2018-19ನೇ ಸಾಲಿನ ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ ದರಪಟ್ಟಿಯನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ರೂ. 100.00 ಲಕ್ಷಗಳಿಗೆ ತಯಾರಿಸಿದ್ದು, ಸದರಿ ಕಾಮಗಾರಿಗೆ 2019-20 ನೇ ಸಾಲಿನ ಶೇ 24.10% ಎಸ್.ಸಿ/ಎಸ್.ಟಿ ಕಲ್ಯಾಣ ಯೋಜನೆ ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ ಪಿ-1878 ರ ಅಡಿಯಲ್ಲಿ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ಹಾಗೂ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿಯನ್ನು ನೀಡಲು ಕೋರಲಾಗಿದೆ ಹಾಗೂ ಸದರಿ ಕಾಮಗಾರಿ ತುರ್ತಾಗಿ ಕೈಗೊಳ್ಳಬೇಕಾಗಿರುವದರಿಂದ ಮೇ//.ಕೆ.ಆರ್.ಐ.ಡಿ.ಎಲ್ ಸಂಸ್ಥೆ ಮುಖಾಂತರ ನಿರ್ವಹಿಸಲು ಅನುಮೋದನೆ ಕೋರಲಾಗಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ.06 (ಥಣಿಸಂದ್ರ)
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

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:/BTP/BBMP/E-PMT/11/2020

OR SHORT TENDERS (IFT) - SINGLE & TWO COVER TENDER

(Through GOK e–Procurement Portal only)

on item rate basis are invited as Standard Bid Documents KW-1/2/3 & 4 by the Executive on behalf of the Commissioner, BBMP from the registered contractors of Bruhat ... registration with CPWD / KPWD / Railways / MES or any State Government ... of events

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Improvements to Roads and Drains and Construction of Culverts at Mariyannapalya Colony and Others Area in ward No. 06, Byatarayanapura Sub Division

Job No : 006-20-000164							Estimate Cost Rs.		10000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 **P.No. 140/ Item No. 18.47 / PWD SR 2018-19**	Cum							
	Existing CC Road 1st cross		1	60.00	2.50	0.15	22.50		
			1	60.00	4.60	0.15	41.40		
			2	126.00	5.00	0.15	189.00		
			1	40.00	5.00	0.15	30.00		
			1	50.00	5.00	0.20	50.00		
			1	62.00	5.00	0.15	46.50		
							379.40	952.94	**361545.00**
	Basic Rate	**899.00**							
	Area Weightage @ 6%	53.94							
	Total	**952.94**							
2	**Removing & Refixing stone slabs of drains** and pointing in C.M (1:3) P.No. 27/ Item No. 5.33 / PWD SR 2018-19	sqm							
a	drain covering slabs		1	100.00	0.90		90.00		
b	drain slabs		2	126.00	1.35		340.20		
							430.20		
	deduct misssing /broken slabs 30 %						**129.06**		
						Net	**301.14**	92.22	**27771.13**
	Basic Rate	**87.00**							
	Area Weightage @ 6%	5.22							
	Total	**92.22**							
3	**Removing and resetting of kerb stones** P.No. 270/ Item No. 37.57 / PWD SR 2018-19	**Rmtr**							
			1	100.00			100.00		
							100.00		
	deduct missing kerb stones 30 %						**30.00**		
						Net	**70.00**	104.94	**7345.80**
	Basic Rate	**99.00**							
	Area Weightage @ 6%	5.94							
	Total	**104.94**							
4	**Providing granite slabs of selected quality** roughly dressed and fixed in cement mortar (1:6) including fixing curing etc.- do - 7.5 cms thick complete.P.No. 27/ Item No. 5.31.1 / PWD SR 2018-19	sqm							
	missing slabs of drain		qty 30% of It 2 (b)				**102.06**		
							102.06	742.00	**75728.52**

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	Basic Rate	700.00							
	Area Weightage @ 6%	42.00							
	Total	742.00							
5	KSRRB 300-1. **Earth work excavation by manual means** in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 143/ Item No. 19.1/ PWD SR 2018-19	Cum							
a	**For RCC Drain**		1	145.00	1.20	1.00	174.00		
			1	85.00	1.20	1.00	102.00		
			1	40.00	1.20	1.00	48.00		
b	For culverts		6	5.50	2.00	1.00	66.00		
c	**Road Surface for CC Road**		1	60.00	2.50	0.25	37.50		
			1	60.00	4.60	0.25	69.00		
			2	126.00	5.00	0.30	378.00		
			1	40.00	5.00	0.25	50.00		
			1	50.00	5.00	0.25	62.50		
			1	62.00	5.00	0.30	93.00		
	desilting of existing drain		1	120.00	0.70	0.75	**63.00**		
							1143.00	137.80	**157505.00**
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Total	137.80							
6	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 20kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 2100 **Page No. 222 / It No. 27.18/ PWD SR 2018-19**	Cum							
a	For RCC Drain		1	145.00	1.10	0.15	23.93		
			1	85.00	1.10	0.15	14.03		
			1	40.00	1.10	0.15	6.60		
b	For Culverts		6	5.50	2.00	0.15	9.90		
c	For CC Road		1	60.00	4.60	0.15	41.40		
			2	126.00	5.00	0.15	189.00		
			1	40.00	5.00	0.15	30.00		
			1	50.00	5.00	0.15	37.50		
			1	62.00	5.00	0.15	46.50		
							398.85	5421.90	**2162525.00**
	Basic Rate	5115.00							
	Area Weightage @ 6%	306.90							
	Total	5421.90							

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7	KSRB 5.3-3 **Providing and constructing granite / trap / basalt size stone** masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 25/ It No. 5.9/ PWD SR 2018-19**	Cum							
	For Culverts		6X2	5.00	0.60	0.80	28.80		
	for existing drain		1	60.00	0.50	0.45	13.50		
							42.30	5305.30	**224414.00**
	Basic Rate	5005.00							
	Area Weightage @ 6%	300.30							
	Total	5305.30							
8	KSRB 5-14: **Providing and constructing load bearing wall with solid concrete blocks** having block density not less than 800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications . KBS No.5.4 - do - with **solid concrete blocks of size 400x150x200mm** Page No. 2 7/ It No. 5.26.2 / PWD SR 2018-19	**sqm**							
	for drain flagging course		2x2	126.00		0.20	100.80		
							100.80	979.44	**98727.55**
	Basic Rate	**924.00**							
	Area Weightage @ 6%	55.44							
	Total	**979.44**							
9	KSRRB M 1200-15.2: Plain / Reinforced cement concrete M20 with OPC Cement @ 320kgs, with 20mm and down size graded granite metal coars aggreagates @0.69 cum and fine aggreagates @ 0.46 cum, with superplastiser@ 3lts confirming to IS9103 -1999 Reaffirmed -2008, in open foundation complete as per drawing and technical specifications case-II, with batching plant transist mixer and concrete MORTH specification No. 1500, 1700 & 2100,/P No. 222/ Item No. 27.27/ PWD SR 2018-19	cum							
a	Culverts coping		6X2	5.50	0.60	0.10	3.96		
	for Vent		6	5.50	0.70	0.15	3.47		
	for coping existing masonry drain		1	60.00	1.50	0.10	9.00		
	for drain vent existing slab drain		2	126.00	0.50	0.10	12.60		
			4	126.00	0.20	0.10	10.08		
							39.11	5148.42	**201329.00**
	Basic Rate	4857.00							
	Area Weightage @ 6%	291.42							
	Total	5148.42							

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10	KSRB 15.1.3: **Providing FLush pointing** to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 115/ Item No. 15.1/ PWD SR 2018-19	Sqm								
	Culverts			6X2	5.50		0.60	39.60		
	for drain improvement			2	60.00		0.60	72.00		
								111.60	223.66	**24960.00**
	Basic Rate	**211.00**								
	Area Weightage @ 6%	12.66								
	Total	**223.66**								
11	**Providing and laying plain/reinforced cement concrete for side drains** using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200.including cost of materials, labour, HOM complete as per specifications.-do- Wall & bottom thickness 15cm. **PWD SR 2018-19 P. No 271 It No 37.59.2**	Cum								
	For New RCC Drains									
a	Bottom Concrete		1	145.00	1.05	0.15	22.84			
			1	85.00	1.05	0.15	13.39			
			1	65.00	1.05	0.15	10.24			
b	drain Side Walls		2	145.00	0.15	1.00	43.50			
			2	85.00	0.15	1.00	25.50			
			2	40.00	0.15	0.75	9.00			
							124.46	7070.20	**879975.00**	
	Basic Rate	6670.00								
	Area Weightage @ 6%	400.20								
	Total	7070.20								
12	KSRRB M2200-6. **Providing T.M.T. steel reinforcement for R.C.C. work** including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 -do- TMT Bars Fe 500 **PWD SR 2018-19 P.No 229 It 28.8.2**	Tonne								
	0.65 Ton/Cum		0.070	124.46			**8.71**	72326.98	**630140.00**	
	Basic Rate	68233.00								
	Area Weightage @ 6%	4093.98								

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	Total	72326.98							
13	**Providing and fixing pre cast solid cement concrete kerb stones** made out of C.C. 1:2:4 with top and bottom width 114 and 165 mmrespectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of achinery, loading, unloading, lead and lift, transportation etc., complete.**Page No. 27 Item No. 5.30/ PWD SR 2018-19**	Nos							
	Main road R/s		1	145.00			145.00		
			1	85.00			85.00		
							230.00		
	deduct available kerb stones			qty as per It No It No 3			70.00		
					Net		**160.00**		
				Nof kerbs = 160/.045			**356.00**	432.48	**153963.00**
	Basic Rate	408.00							
	Area Weightage @ 6%	24.48							
	Total	432.48							
14	**Providing and fixing RCC precast cover slab of 100mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm							
	For RCC Drain		1	145.00	0.90		130.50		
			1	85.00	0.90		76.50		
			1	40.00	0.90		36.00		
	exisitng masonry drain		1	60.00	1.20		72.00		
	missing slabs		2	49.00	0.90		88.20		
	Data Rate	**2337.00**					**403.20**		
	deduct available slabs			qty 70% of It			**62.50**		
					Net		**340.70**	2337.00	**796225.00**
15	**Providing and fixing RCC precast cover slab of 250mm thick** made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm							
	For Culverts		6	5.50	1.50		49.50		
							49.50	5418.00	**268191.00**
	Data Rate	**5418.00**							

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16	KRRB M600-6: **cement concrete pavement,** construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20/M30 at 380/450 kg per cum, coarse and fine aggregate conforming to IS: 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing,), spreading the concrete with shovels, rackers compacted using needle, scred and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as per specification. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. **PWD SR 2018-19 P. No 176 It 22.6.1**	Cum							
	ForCC Road		1	60.00	2.50	0.15	22.50		
			1	60.00	4.60	0.15	41.40		
			2	126.00	5.00	0.15	189.00		
			1	40.00	5.00	0.15	30.00		
			1	50.00	5.00	0.15	37.50		
			1	62.00	5.00	0.15	46.50		
							366.90	5210.96	**1911901.00**
	Basic Rate	4916.00							
	Area Weightage @ 6%	294.96							
	Total	5210.96							
17	**Vaccum De- writing with vaccum pump** and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2018-19	**Sqm**							
	ForCC Road		1	60.00	2.50		150.00		
			1	60.00	4.60		276.00		
			2	126.00	5.00		1260.00		
			1	40.00	5.00		200.00		
			1	50.00	5.00		250.00		
			1	62.00	5.00		310.00		
							2446.00	72.08	**176308.00**
	Basic Rate	68.00							
	Area Weightage @ 6%	4.08							
	Total	**72.08**							

8158554

Narayanpura sub division

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13

8158554

	Pipe Line work								
18	**Earthwork excavation** for foundation of buildings, **water supply, sanitary lines** and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.4, PWD SR-2018-19)	**cum**							
	For replacing the broken existing pipe line		2	145.00	0.60	0.90	156.60		
			2	85.00	0.60	0.90	91.80		
			2	60.00	0.60	0.90	64.80		
							313.20	475.94	**149064.00**
	Basic Rate	**449.00**							
	6% area weightage	26.94							
	Total	**475.94**							
19	**Providing and installing at site of work 63mm (0.662) PVC Pipes** of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete.	Rmtr							
			2	145.00			290.00		
			2	85.00			170.00		
			2	60.00			120.00		
							580.00	208.82	**121116.00**
	Basic Rate	197.00							
	add aw @ 6%	11.82							
		208.82							
20	KSRB 2.4 : **Refilling available earth around pipe lines,** cables in layers not layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. **(P 7 it 2.11 PWD SR 2018-19)**	**cum**							
							313.20	128.26	**40175.00**
	Basic Rate	121.00							
	add aw @ 6%	7.26							
		128.26							
21	KSRRB M100-2. **Loading and Unloading** of stone boulders by manual means complete as per specification MORTH-100/chapter-1 Page No. 136/ Item No. 17.1/ PWD SR 2018-19	**Cum**							

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			Qty Vide Item No. (1+2)				1558.40		
							1558.40	73.99	115303.00
	Basic Rate	57.00					1522.40		
	Lead for 5km	12.80							112642=00
		69.80							
	add aw @ 6%	4.19							
		73.99							8581551
							Sub Total Rs		8584212.00
22	For 3% KRIDL Charges								257526.00
23	For 1% Labour Cess								85842.00
24	For 12% Applicable GST								1071310.00
25	Miscesallaneous Charges	L/S							1110.00
							Grand Total		10000000.00
	(Rupees one hundred lakhs only)								

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 06

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Byatarayanapura Sub Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. 100.00 Lakhs only
Head of A/c. P1878
Div. Ref. No. 92 Date. 29-1-19
AE 29/1/19
EE(BTP)

Technically sanctioned for Rs. 1,00,00,000/-
Rs in Words ONE CRORE ONLY
Under P1878
Job Code No. CC6-20-00164
Registered as SE(Y)/TS/21/19-20 subject to conditions contained in enclosed memo No. 21/19-20 Dated: 5/9/2020
AE/JE
SE(Y)/TS

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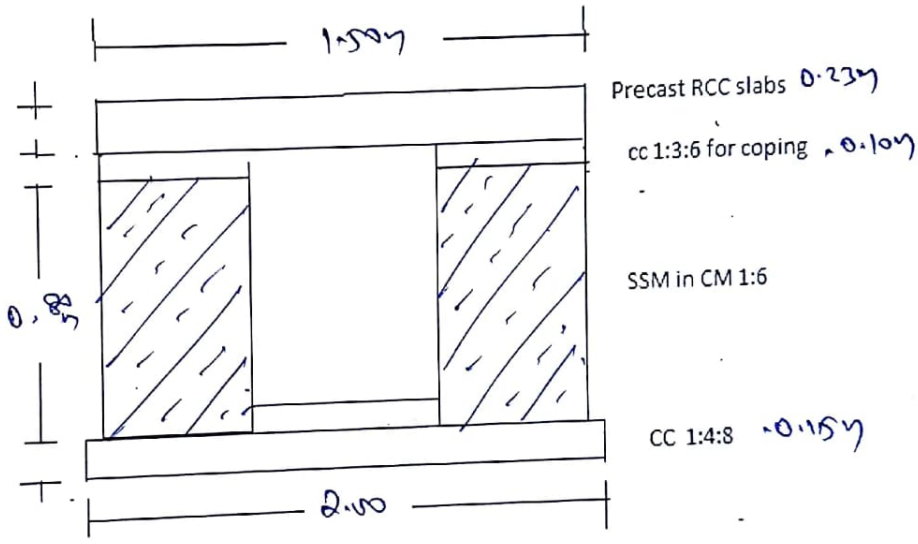
Name of work : Improvements to Roads and Drains and Construction of Culverts at Mariyannapalya Colony and Others Area in ward No. 06, Byatarayanapura Sub Division

11

Estimated cost : Rs 100.00 lakhs P code : 1878 Job No : 006-20-000163



Cross section of Culvert

Assistant Engineer
Ward No 06

Assistant Executive Engineer
Byatarayanpura sub division

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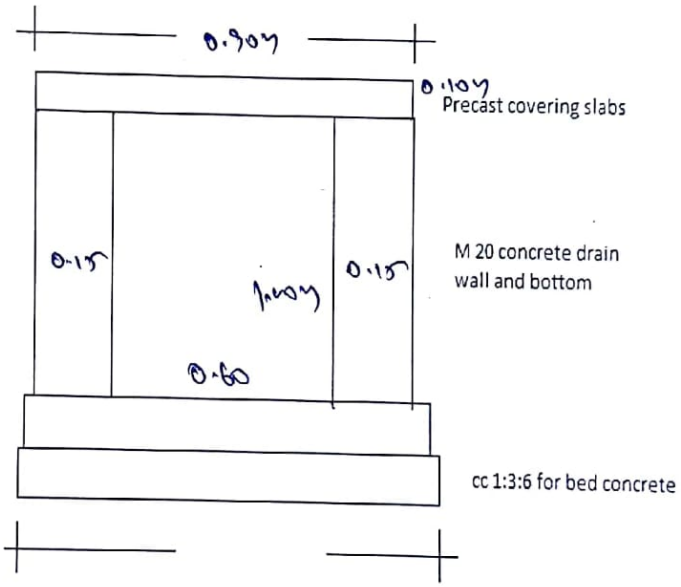
Name of work : Improvements to Roads and Drains and Construction of Culverts at Mariyannapalya Colony and Others Area in ward No. 06, Byatarayanapura Sub Division

10

Estimated cost : Rs 100.00 lakhs P code : 1878 Job No : 006-20-000163



Cross section of Drain

Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ Ward No 06

Assistant Executive Engineer
Byatarayanpura sub division

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Name of work: Improvements to Roads and drains and Construction of culverts at Mariyannapalya, Colony in Ward no. 06

CROSS-SECTION OF ROAD

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

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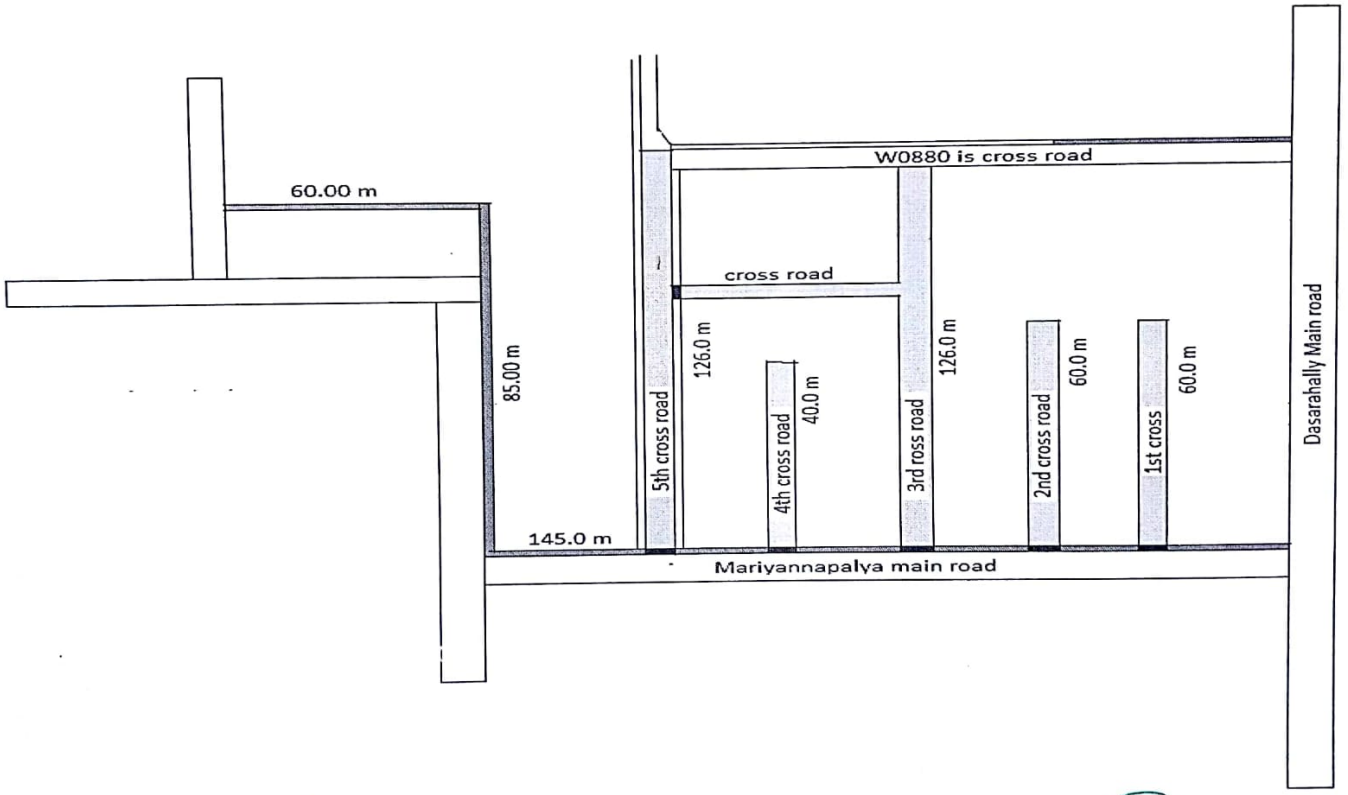
Name of work: Improvements to Roads and Drains and Construction of Culverts at Mariyannapalya Colony and Others Area in ward No. 06, Byatarayanapura Sub Division



Assistant Engineer
Ward No 06

Assistant Executive Engineer
Byatarayanapura Sub Division

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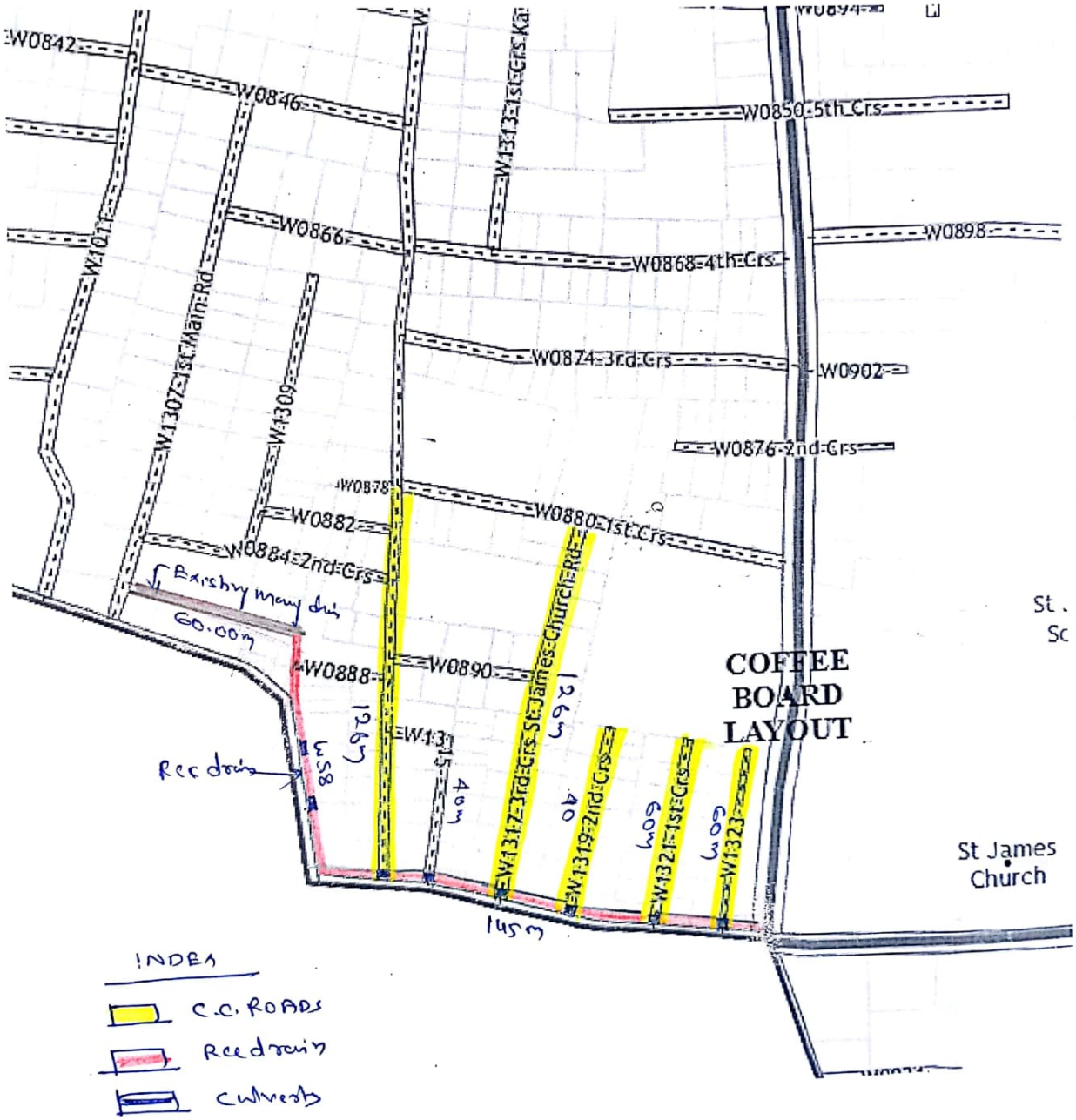
HORT TENDERS (IFT) - SINGLE & TWO
Procurement Portal only)

Name of work : Improvements to road and drian and construction of culverts at Mariyannapalya colony and other area in Ward No 06, Byatarayanpura Sub Division

Estimated cost : Rs 100.00 Lakhs **P-code-1878** **Job No : 006-20-000164**



Assistant Engineer
Ward No 06

Assistant Executive Engineer
Byatarayanapura sub Division, BBMP

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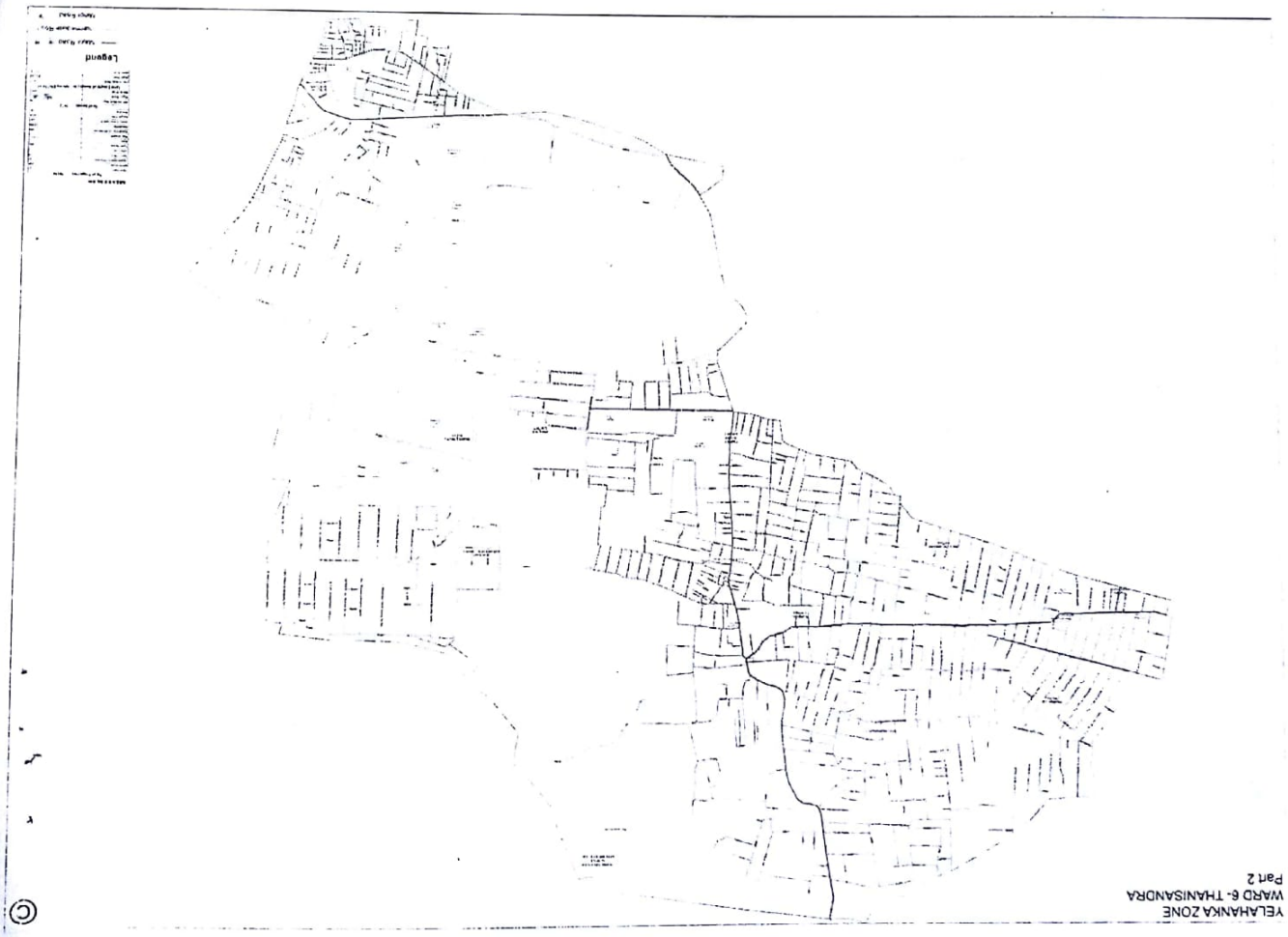

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ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

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	Rate Analysis								
	Basic Rate in Rs.			358.00					
	Add 6% Area Weigtage			21.48					
	Total Rate in Rs.			379.48					
	Deduct 25% of Verticle Strating			94.87					
	Grand Total			284.61					
			2	2.00	0.10		0.40		
			2	0.60	0.10		0.12		
							0.52	284.61	148.00
5	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500								
	Tonne								
	(Page No 18,I.No.4.46.2 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			70906.00					
	Add 6% Area Weigtage			4257.96					
	Total Rate in Rs.			75223.96					
	12mm dia@150mm c/c	0.89kg/cum	7	2.00			14.00		
	10mm dia@150mm c/c	0.62kg/cum	15	0.60			9.00		
							0.01		
							0.01		
							0.02	75223.96	1357.04
6	0282 P.V.C pipes unplasticised 32mm								
	Per Rmtr								
	(Page No XXVI,Sl.No.674 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			55.08					
	Total Rate in Rs.			55.08					
	pipe for weep hole		8	0.10			0.80		
							0.80	55.08	44.06
7	KSRB15-6 : Providing floating coat of cement to plastering and finishing smooth, including cost of materials, labour, curing complete as per specifications.								
	Sqm								
	(Page No 118,I.No.15.32 of KPWD S.R 2018-19).								
	Rate Analysis			19.00					
	Basic Rate in Rs.			1.14					
	Add 6% Area Weigtage			20.14					
	Total Rate in Rs.		2	2.00	0.60		2.40		
			2	2.00		0.10	0.40		
			2	0.60		0.10	0.12		
							2.92	20.14	58.81
			Total						2804.23

Therefore cost for Per Sqm = Total/(2*0.6) 2804.23 / (2.0*0.6) = 2336.86

Say 2337.00 – 100 mm.

Asst Engineer
Ward No.40

Asst Executive Engineer
Herohally Sub-Division

Executive Engineer
Kengeri Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Date Rate As Per 2018-19

Kengeri Division

Rate Analysis For 10CM Thick Precast Slab

Sl No.	Description of Item	Unit / Rate	Nos	Dimensions L in m	B in m	D in m	Quantity	Rate in Rs.	Total Amount Rs
1	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all ma erials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6								
		Cum							
	(Page No 14, I.No.4.12 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			6045.00					
	Add 6% Area Weigtage			362.70					
	Total Rate in Rs.			6407.70					
			1	2.00	0.60	0.100	0.12		
							0.12	6407.70	768.92
2	Refixing of Precast slabs of drains and pointing in C.M (1:3)								
		Sqm							
	Rate Analysis								
a	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (Page No 27., I.No.5.33 of KPWD S.R 2018-19).			105 00					
b	Removing B.S. slab of Drain and stacking. (			99 00					
	Arrived Rate (a-b)			6.00					
	Add 6% Area Weigtage			0.36					
	Total Rate in Rs.			6.36					
			1	2.00	0.60		1.20		
							1.20	6.36	7.63
3	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification. Specification No. KBS 4.6.2								
		Sqm							
	(Page No 16,I.No 4.30 of KPWD S R 2018-19)								
	Rate Analysis								
	Basic Rate in Rs.			440.00					
	Add 6% Area Weigtage			26.40					
	Total Rate in Rs.			466.40					
	Deduct 25% of Verticle Strating			116.60					
	Grand Total			349.80					
			1	2.00	0.60		1.20		
							1.20	349.80	419.76
4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification								
		Sqm							
	(Page No 16,I.No.4.31 of KPWD S.R 2018-19)								

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	(SR) 4.8.4 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and machining to the bending members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications, Specification No KDS 4.6.3 TMT bars Fe 500								
	Page No 181 No 4.40.2 of KPWD S S 2018-19.								
	Rate Analysis								
	Basic Rate in Rs.				70060.00				
	Add 8% Area Weightage				4357.96				
	Total Rate in Rs.				75223.96				
	Steel 10mm dia Main rod @150mm c/c	1.58kg/cum	2	5.00	2.20		22.00		
	Tieing Hook 10mm dia - 2 Nos	0.62kg/cum	1	2.00	0.30		0.60		
							22.60		
							0.04		
	Steel 8mm dia - Main rod @150mm c/c	0.40kg/cum	2	13.00	0.60		15.60		
							0.01		
							0.04	75223.96	3155.49
5	Refixing of Precast slabs of drains and painting in C.M (1:3)								
		Sqm							
	Rate Analysis								
a	Removing & Refixing stone slabs of drains			105.00					
b	Removing R.S. slab of Drain and stacking. (			99.00					
	Arrived Rate (a-b)			6.00					
	Add 6% Area Weightage			0.36					
	Total Rate in Rs.			6.36					
			1	1.80	0.60		1.08		
							1.08	6.36	6.87
	Total								5861.53

Therefore cost for Per Sqm = Total/(1.8*0.6) = 5851.53 / (1.8*0.6) = 5418.08

Say 5418.00 - 250 mm.

Asst Engineer.
Ward No.40

Asst Executive Engineer
Hebballi Sub-Division

Executive Engineer
Kingeri Division

"DATA RATE HERE BY APPROVED"

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BRUHAT BANGALORE MAHANAGARA PALIKE

Data Rate As Per 2018-19

Kengeri Division

Rate Analysis For 250mm Thick Precast Slab

Sl. No.	Description of Item	Unit / Rate	Nos	Dimensions L in m	B in m	D in m	Quantity	Rate in Rs.	Total Amount in Rs
1	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal course aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6								
		Cum							
	(Page No 14, I.No.4.12 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			6045.00					
	Add 6% Area Weigtage			362.70					
	Total Rate In Rs.			6407.70					
			1	1.80	0.60	0.250	0.27		
							0.27	6407.70	1730.08
2	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification. Specification No. KBS 4.6.2								
		Sqm							
	(Page No 16,I.No.4.30 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			440.00					
	Add 6% Area Weigtage			26.40					
	Total Rate In Rs.			466.40					
			1	1.80	0.60		1.08		
							1.08	466.40	503.71
3	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
		Sqm							
	(Page No 16,I.No.4.31 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			358.00					
	Add 6% Area Weigtage			21.48					
	Total Rate In Rs.			379.48					
			2	1.80	0.25		0.90		
			2	0.60	0.25		0.30		
							1.20	379.48	455.38

006-20-000164

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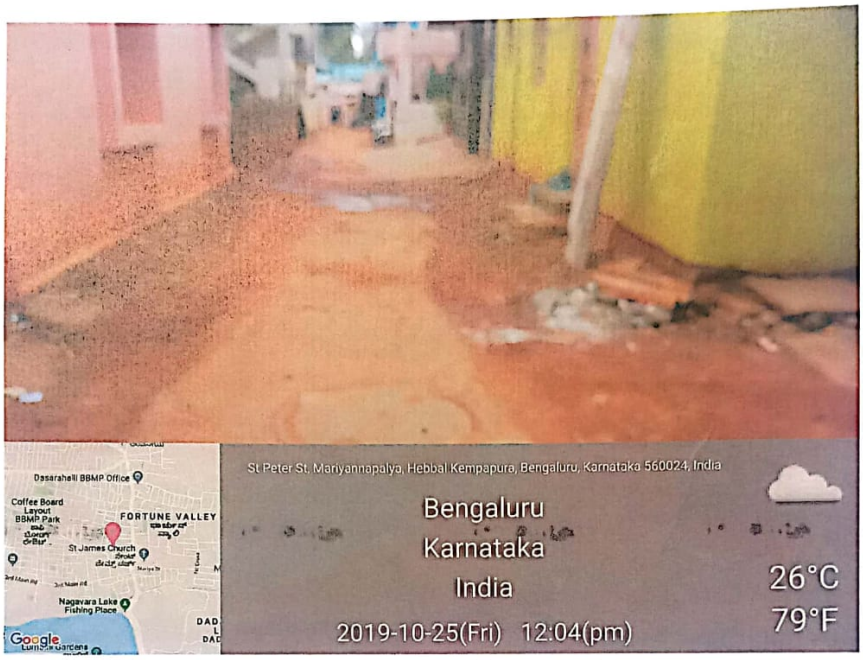

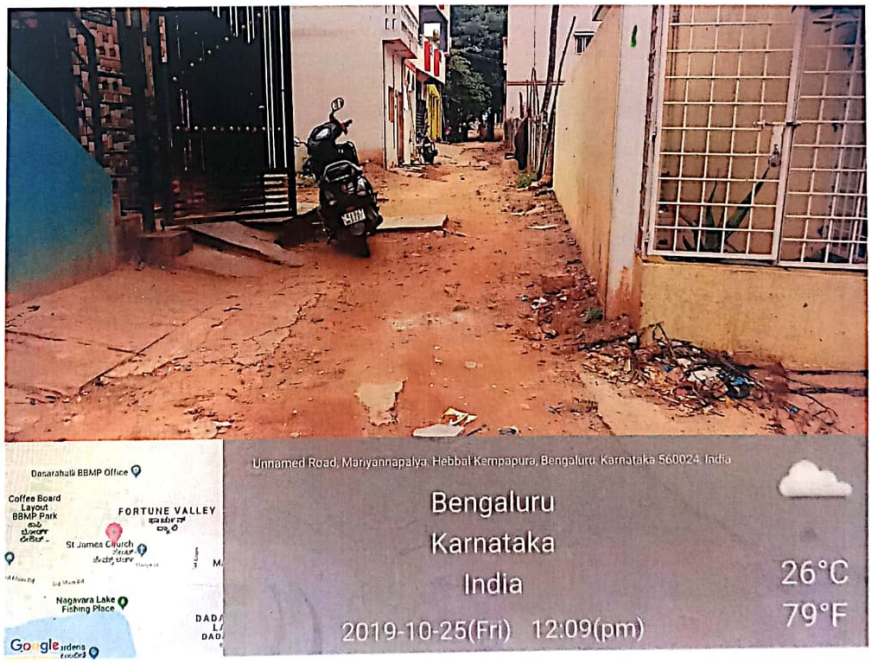

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

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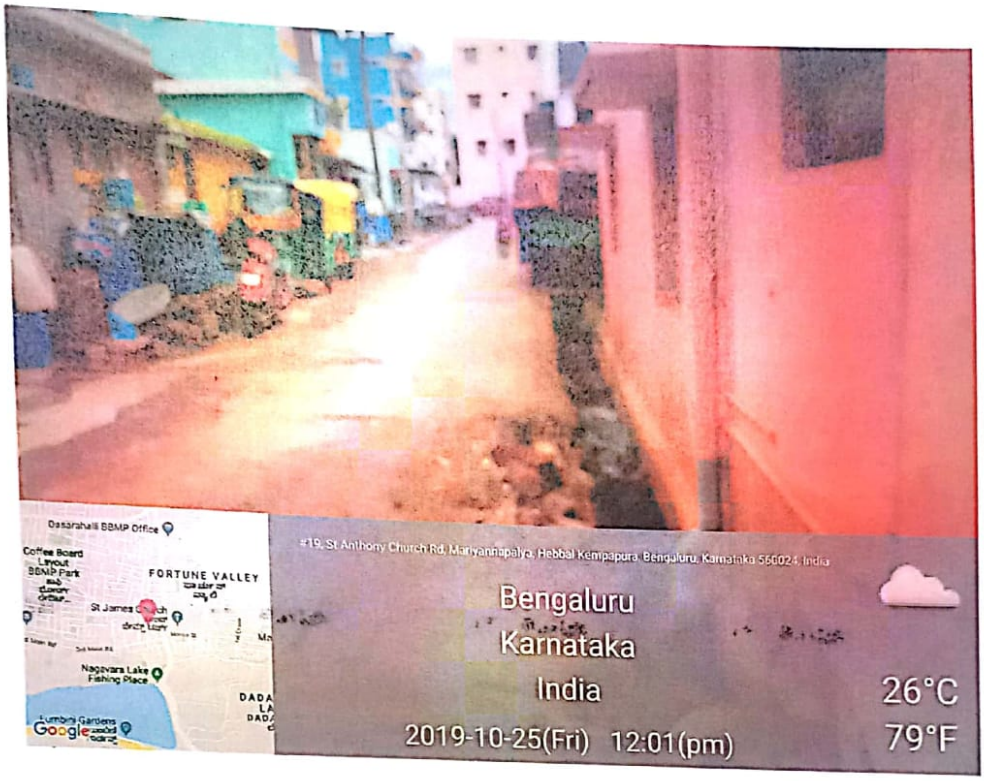
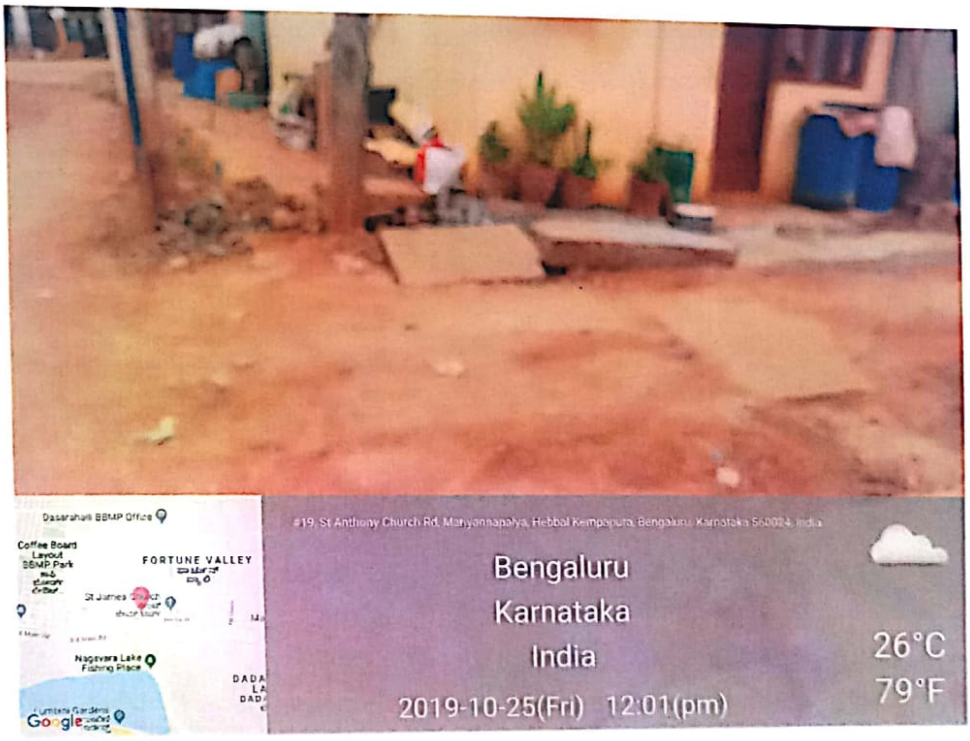
Improvements to Roads and Drains and Construction of Culverts at Mariyannapalya Colony and other area in ward No 6 Byatarayanapura Sub division

2





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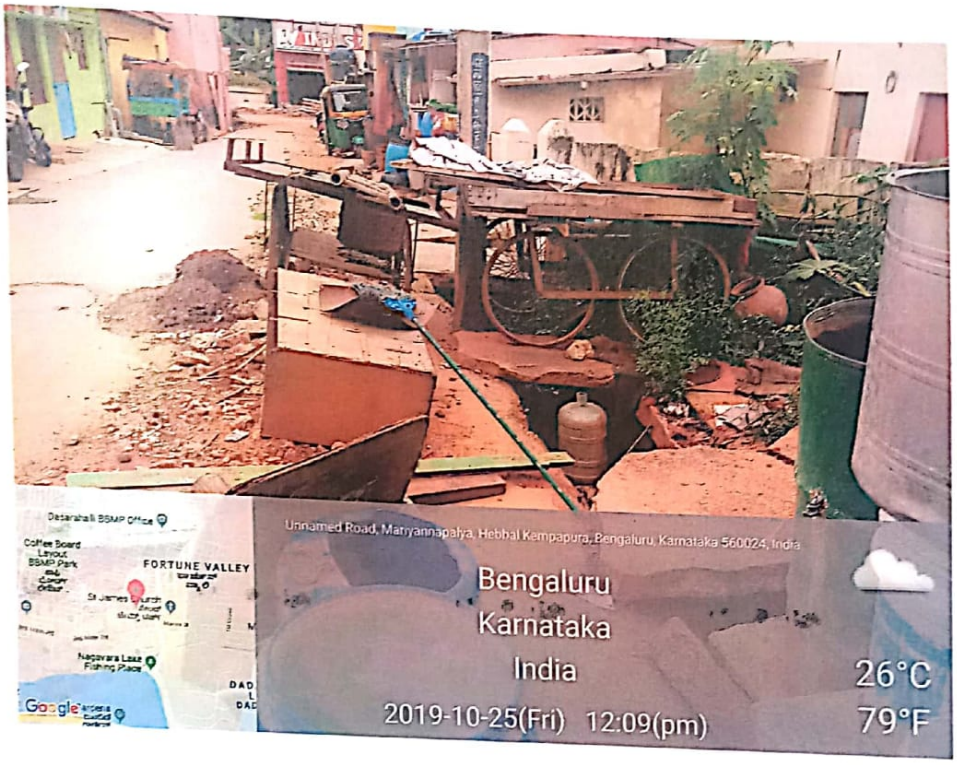
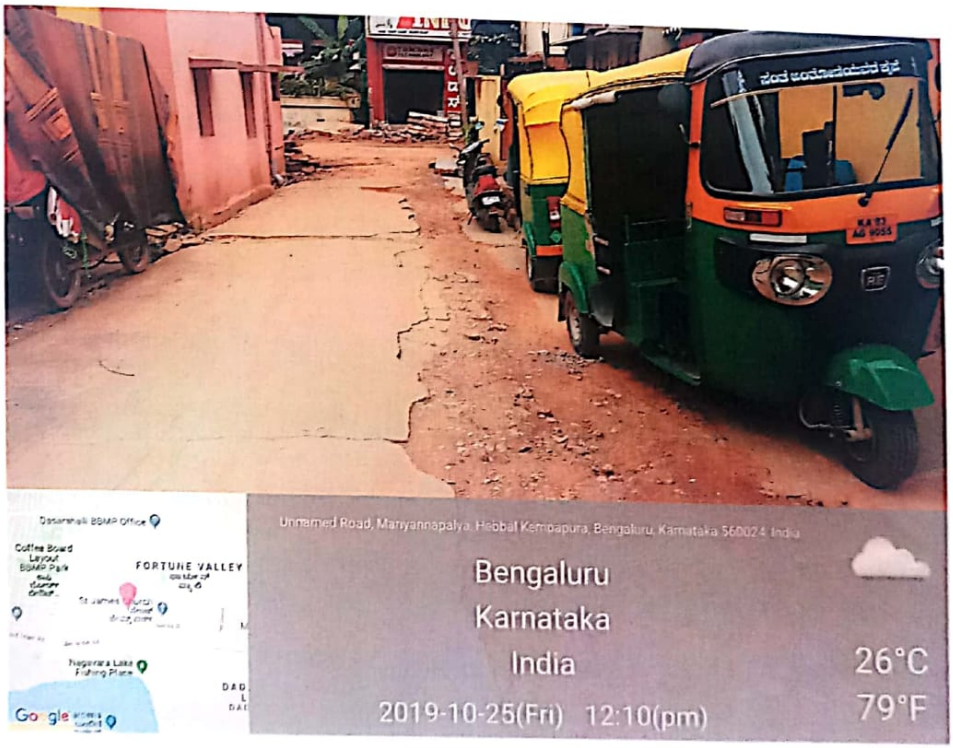
Improvements to Roads and Drains and Construction of Culverts at Mariyannapalya Colony and other area in ward No 6 Byatarayanapura Sub division





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